ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Improvements of Road and drains in Kodigehalli Village in Ward No. 08, Kodigehalli, BBMP, Bangalore.

Type of Road Surface	Minimum Number of Tests as per IRC norms	Number of Test done during execution	Percentage of Tests carried out as per IRC norms
I	II	III	IV
CIVIL WORKS	23	23	100%
TOTAL	**23**	**23**	**100%**

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Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Improvements of Road and drains in Kodigehalli Village in Ward No. 08, Kodigehalli, BBMP, Bangalore.

Description	Quantity	Unit	Total Number of test to be carried out as per IRC	Actual Number of Test to be conducted	% Completed
I	II	III	IV	V	IV
1) PCC 1:4:8 a)Cement b)M.Sand c)40MM Aggregates d)20MM Aggregates e)Sand Pointing	41.45	Cum	5	5	100%
2)Cube M20	94.32	Cum	15	15	100%
3)Steel (8,10MM)	4.72	Tonnes	2	2	100%
4)Kerb Stone	564	No's	1	1	100%
TOTAL			**23**	**23**	**100%**

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Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/CEMENT/2019-20 Date: 23.01.2020

TEST REPORT ON CEMENT

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of Work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	Cement
Sample Received on	:	21.01.2020
Period of Testing	:	21.01.2020 to 23.01.2020
Report Issue Date	:	23.01.2020

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	Standard Consistency	IS-4031 (Part -4) : 1988 (RA-2019)	29.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) : 1988 (RA-2019)	370 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) : 1988 (RA-2019)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/SAND-Gradation/2019-20 23.01.2020

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of Work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	Fine Aggregates (Manufactured Sand)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2016)
Sample Received On	:	21.01.2020
Date of Testing	:	23.01.2020
Report Issue Date	:	23.01.2020

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-2016			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	96.80	90-100	90-100	90-100	95-100
2.36	78.80	60-95	75-100	85-100	95-100
1.18	65.90	30-70	55-90	75-100	90-100
600 Micron	40.30	15-34	35-59	60-79	80-100
300 Micron	19.00	5-20	8-30	12-40	15-50
150 Micron	5.80	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Note 1 :

For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2 :

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/AGG/GR/2019-20 23.01.2020

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of Work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	Coarse Aggregates (40mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963 (RA-2016)
Sample Received on	:	21.01.2020
Date of Testing	:	23.01.2020
Report Issue Date	:	23.01.2020

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.00	95-100	85-100
20	40.70	30-70	0-20
10	17.46	10-35	0-5
4.75	2.34	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/AGG/GR/2019-20 23.01.2020

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of Work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	Coarse Aggregates (20mm)
Test Method As Per	:	IS - 2386 (Part 1) : 1963(RA-2016)
Sample Received on	:	21.01.2020
Date of Testing	:	23.01.2020
Report Issue Date	:	23.01.2020

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS - 383 : 2016	
		Graded	Single Sized
40	100	100	100
20	97.40	95-100	85-100
10	40.40	25-55	0-20
4.75	6.30	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

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Job No.: CTCE/BBMP/NVR/W.No.08/Steel/2019-20 27.01.2020

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Samples ID	:	8 mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2016)
Date of Testing	:	27.01.2020
Report Issue Date	:	27.01.2020

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	8	0.39	512	553	13.1	O.K	O.K

*Information is furnished by the Customer/Representative.

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Job No.: CTCE/BBMP/NVR/W.No.08/Steel/2019-20

27.01.2020

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Samples ID	:	10 mm Bar
Test Method as per	:	IS - 1786 : 2008 (RA-2016)
Date of Testing	:	27.01.2020
Report Issue Date	:	27.01.2020

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	516	557	13.2	O.K	O.K

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Cube/2019-20 27.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of the work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.02.2020
Report Issue Date	:	27.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.01.2020	27.02.2020	8.159	485.7	21.59
2	30.01.2020	27.02.2020	8.205	495.2	22.01
3	30.01.2020	27.02.2020	8.325	512.6	22.78

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Cube/2019-20 27.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
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* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.02.2020
Report Issue Date	:	27.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.01.2020	27.02.2020	8.102	474.8	21.10
2	30.01.2020	27.02.2020	8.257	485.6	21.58
3	30.01.2020	27.02.2020	8.329	501.6	22.29

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
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* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.02.2020
Report Issue Date	:	27.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.01.2020	27.02.2020	8.115	513.2	22.81
2	30.01.2020	27.02.2020	8.220	526.9	23.42
3	30.01.2020	27.02.2020	8.380	504.9	22.44

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Cube/2019-20 29.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of the work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	29.02.2020
Report Issue Date	:	29.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.02.2020	29.02.2020	8.397	474.5	21.09
2	01.02.2020	29.02.2020	8.415	502.7	22.34
3	01.02.2020	29.02.2020	8.456	513.8	22.84

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Cube/2019-20 29.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of the work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	RCC Drain Bottom Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	29.02.2020
Report Issue Date	:	29.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.02.2020	29.02.2020	8.357	498.9	22.17
2	01.02.2020	29.02.2020	8.395	519.6	23.09
3	01.02.2020	29.02.2020	8.415	527.9	23.46

*Information is furnished by the Customer/Representative.

Note:

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M/s. Civil-Tech Consultants & Engineers

Pooja K.L.

Authorised Signatory

Assistant Executive Engineer,
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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Cube/2019-20 29.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	29.02.2020
Report Issue Date	:	29.02.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.02.2020	29.02.2020	8.102	495.6	22.03
2	01.02.2020	29.02.2020	8.222	515.6	22.92
3	01.02.2020	29.02.2020	8.335	527.8	23.46

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Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Cube/2019-20 02.03.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Name of the work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	RCC Drain Side Wall Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	02.03.2020
Report Issue Date	:	02.03.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2020	02.03.2020	8.102	514.5	22.87
2	03.02.2020	02.03.2020	8.204	519.3	23.08
3	03.02.2020	02.03.2020	8.335	534.8	23.77

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* Sample ID	:	RCC Drain Side Wall Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	02.03.2020
Report Issue Date	:	02.03.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2020	02.03.2020	8.115	480.5	21.36
2	03.02.2020	02.03.2020	8.220	490.7	21.81
3	03.02.2020	02.03.2020	8.330	504.8	22.44

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* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	02.03.2020
Report Issue Date	:	02.03.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2020	02.03.2020	8.112	519.3	23.08
2	03.02.2020	02.03.2020	8.229	510.3	22.68
3	03.02.2020	02.03.2020	8.302	538.9	23.95

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Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	04.03.2020
Report Issue Date	:	04.03.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.02.2020	04.03.2020	8.115	479.5	21.31
2	05.02.2020	04.03.2020	8.220	502.4	22.33
3	05.02.2020	04.03.2020	8.330	512.6	22.78

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.02.2020	04.03.2020	8.117	498.8	22.17
2	05.02.2020	04.03.2020	8.220	519.5	23.09
3	05.02.2020	04.03.2020	8.390	532.7	23.68

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1	05.02.2020	04.03.2020	8.205	504.8	22.44
2	05.02.2020	04.03.2020	8.335	518.2	23.03
3	05.02.2020	04.03.2020	8.395	526.9	23.42

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	07.03.2020
Report Issue Date	:	07.03.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.02.2020	07.03.2020	8.177	489.3	21.75
2	08.02.2020	07.03.2020	8.290	512.2	22.76
3	08.02.2020	07.03.2020	8.375	520.1	23.12

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.02.2020	07.03.2020	8.228	478.5	21.27
2	08.02.2020	07.03.2020	8.310	502.8	22.35
3	08.02.2020	07.03.2020	8.395	512.9	22.80

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Report Issue Date	:	07.03.2020

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.02.2020	07.03.2020	8.179	478.5	21.27
2	08.02.2020	07.03.2020	8.298	495.5	22.02
3	08.02.2020	07.03.2020	8.330	518.7	23.05

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/Kerbstone/2019-20

14.02.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
* Sample ID	:	Kerbstone
* Grade of Concrete	:	M_{15}
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample Received on	:	12.02.2020
Date of Testing	:	14.02.2020
Report Issue Date	:	14.02.2020

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.386	2520.36	1.56	0.952	24.65	12.55	13.56	14.23	17.79
2	50.00	79.00	0.396	2552.93	1.58	0.955	25.35	12.91	13.94	14.61	18.26
3	50.00	80.00	0.401	2552.85	1.60	0.957	26.35	13.42	14.49	15.15	18.93

* Information is furnished by the Customer/Representative

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JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/NVR/W.No.08/CSR-17d/SAND-Gradation/2019-20 14.02.2020

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. N. Venkata Reddy,** #92, 17th Main Road, 4th Cross, J.C. Nagara, Mahalakshmipuram (P), Bangalore – 560086.
* Name of Work	:	Improvements of roads and drains in Kodigehalli Village in Ward No.08, Kodigehalli, BBMP, Bangalore.
*Reference	:	BBMP/EE/BTP/WO/147/2019-20 Dated : 08.11.2019
*Sample ID	:	Sand For Pointing
Test Method As Per	:	IS - 1542 : 1992 (RA-2019)
Sample Received on	:	12.02.2020
Date of Testing	:	14.02.2020
Report Issue Date	:	14.02.2020

Total Wt. of Aggregates in gms **1000**

Is Sieved Size in mm	Cumulative Weight Passing in %	Specification Limits as per IS : 1542 - 1992 (RA-2019)
10	100	100
4.75	98.80	95-100
2.36	97.70	95-100
1.18	95.20	90-100
600 Micron	90.70	80-100
300 Micron	45.70	20-65
150 Micron	12.70	0-15

* Information is furnished by the Customer/Representative

Remarks : This tested sample satisfies requirement.

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